

NOTES: (UNLESS OTHERWISE SPECIFIED)

- THIS IS A CRYOGENIC VACUUM COMPONENT.
- WELDING PROCEDURE: PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
- CLEANING PROCEDURE : PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
- PACKAGING AND STORAGE PROCEDURE OF THE COMPONENTS: PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
- DIMENSIONS AND TOLERANCING PER ANSI Y14.5M-1982. UNITS ARE IN INCHES [mm] UNLESS OTHERWISE SPECIFIED.
- USE OF SULFUR OR SILICONE BEARING OILS, LUBRICANTS, OR COOLANTS ARE STRICTLY PROHIBITED.
- USE OF RESIN OR RUBBER BONDED ABRASIVES UNDER POWER IS STRICTLY PROHIBITED. USE VITREOUS BONDED ABRASIVES ONLY.
- VENDOR SUGGESTED CHANGES TO WELD PREPS; SUBECT TO LBNL APPROVAL.
- ELBOWS MAY BE USED ON THE TUBE BENDS AS NEEDED.
- VENDOR SUGGESTED CHANGES TO TOLERANCES TO FACILITATE FABRICATION OR ASSEMBLY; SUBECT TO LBNL APPROVAL.
- REMOVE ALL THE BURRS AND REAM THE ENDS FOR CIRCULARITY AND CLEAN ENDS.
- TUBE END SURFACE MUST BE PERPENDICULAR TO THE TUBE AXIS WITHIN +/- .010.
- PERFORM ACCEPTANCE TESTS PER LBNL SPECIFICATION M989.
- A MARK DESIGNATING THE INSTALLED LENGTH WILL BE UTILIZED DURING FINAL INSTALLATION OF THE FEEDBOX ASSEMBLY. MARK, SCRIBE OR ETCH THIS LOCATION IN A PERMANENT MANNER, SUBJECT TO LBNL APPROVAL, TO AN ACCURACY OF ± 0.063 ".
- PROVIDE A MINIMUM LENGTH OF 4.0" OF STRAIGHT, SMOOTH PIPE ON THE INDICATED SIDE OF THE INSTALLED LENGTH MARK FOR PIPE WELDING DURING FINAL INSTALLATION OF THE FEEDBOX ASSEMBLY.
- PIPE MUST BE STRAIGHT AND SMOOTH (NO BUMPS) FOR 1.5" ON EITHER SIDE OF THE CENTER-PLANE OF THE SUPPORT.
- CAP BOTH ENDS OF PIPE TO FACILITATE ACCEPTANCE TESTS.

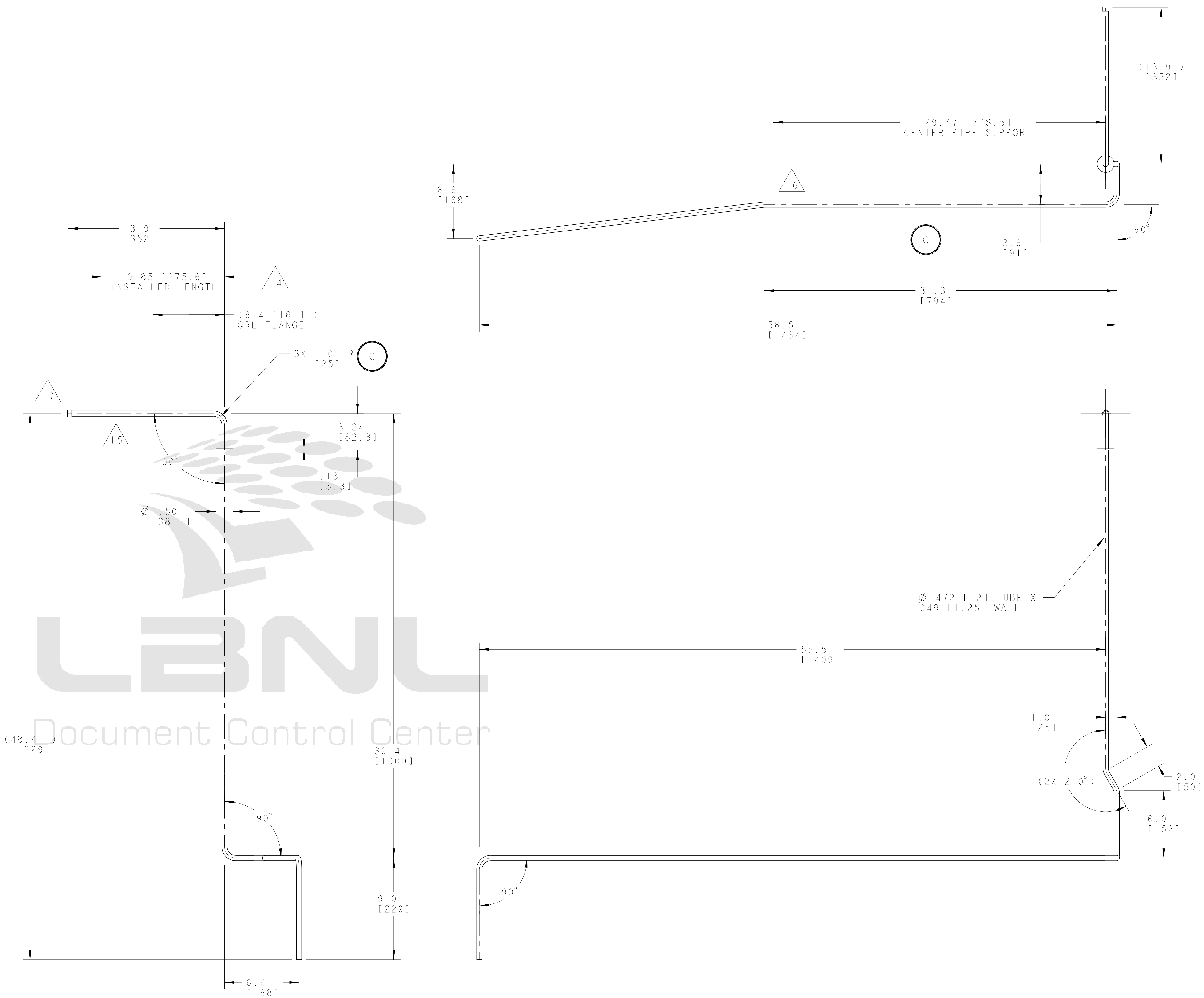
D

C

B

A

SCALE 7/32



D

C

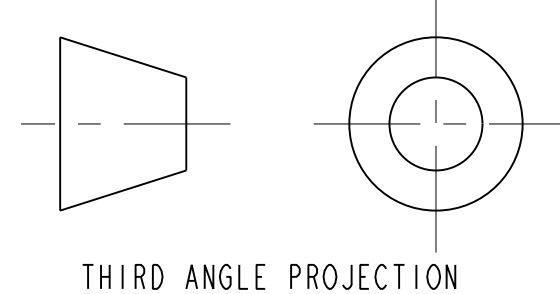
B

A

| REV | DWG | CHK | DATE | CHANGES |
|-----|-----|-----|----------|--|
| C | RLM | JPZ | 1/16/04 | REROUTED LINE, R1 WAS R1.5 |
| B | ARH | SPV | 8/1/03 | MINOR DRAWING DIMENSIONAL CHANGES, REVISED DRAWING NOTE 16 |
| A | ARH | SPV | 11-01-02 | INITIAL RELEASE |

UNLESS OTHERWISE SPECIFIED
TOLERANCES
X.X ± 0.1 FRACTION ± 1/64
X.XX ± 0.03 ANGLES ± 1.00°
X.XXX ± 0.010 FINISH - 125/32
DO NOT SCALE PRINT
THREADS ARE CLASS 2
CHAMFER ENDS OF ALL SCREW THREADS 30°
CUT ROUNDS, 1.5 THREAD RELIEF ON MACHINED THREADS
BREAK EDGES, 0.15 MAX. ON MACHINED WORK
REMOVE BURRS, WELD SPATTER & LOOSE SCALE
IN ACCORDANCE WITH ASME B16.5 (BOL)

| 2 | - | 1 | FLANGE, SPIDER INTERFACE | SS-304L |
|--|---------------|----------|--------------------------|---------------------|
| 1 | - | 1 | TUBE, PER ASTM A269 | SS-304L |
| ITEM | PART NO. | REQD | DESCRIPTION | MATERIAL |
| SHOP ORDERS | | | | |
| NO. | NO. | NO. | NO. | NO. |
| DATE | DATE | DATE | DATE | DATE |
| ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY | | | | |
| LHC IR FEEDBOX CRYOGENICS | | | | |
| PIPE, CCI, DFBX B, D&H | | | | |
| MICROFILMED: | DWG. TYPE | SHOWN ON | SCALE: 1/4 | DO NOT SCALE PRINTS |
| ASSEM | ASSEM | - | 1/4 | 1 |
| DESIGN ACCT. NO. | CATEGORY CODE | DWG. NO. | SIZE | REV. |
| ZSLCE2 | LH2003 | 2512366 | 1 | C |



THIRD ANGLE PROJECTION

2512366 C 1